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Catalytic converter and diesel particulate filter - uses intumescent mounting mat with edge protectant comprised of binder and glass particles

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Patent Family (9 patents, 9 countries)

Patent Number	Kind	Application Date	Number	Kind	Date	Update
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EP 639700	A1	19950222	EP 1994112862	A	19940818	199512 B
CA 2128827	A	19950221	CA 2128827	A	19940726	199521 E
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KR 383302	B	20031004	KR 199420041	A	19940813	200415 E
CA 2128827	C	20040615	CA 2128827	A	19940726	200440 E
JP 3967780	B2	20070829	JP 1994190499	A	19940812	200757 E

Priority Applications (no., kind, date): US 1993109646 A 19930820

Alerting Abstract EP A1

The converter (10) comprises a metallic casing (11) with frustoconical inlet and outlet (12, 13) with a monolithic catalytic converter element (20) within the casing. The converter element is surrounded by a mounting mat (30) comprising intumescent sheet (32) and an edge protectant (34) which supports the converter element in the casing.

The protectant comprises 5 to 85% by weight binder material dispersed within glass particles which comprise the remaining 95 to 15%. The glass particles have a softening point of at least 350 deg. C. The combined weight of the binder and glass particles is at least 20% by weight of the total weight of the edge protectant.

ADVANTAGE - Prevents erosion of the lateral edge of an intumescent mounting mat in high performance automobiles or heavy duty trucks.